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Last logoff: 07nov07 17:21:45

Logon file1 15nov07 14:19:16

*** ANNOUNCEMENTS ***

NEW FILES RELEASED

***BIOSIS Previews Archive (File 552)

***BIOSIS Previews 1969-2007 (File 525)

***Trademarkscan - South Korea (File 655)

RESUMED UPDATING

***File 141, Reader's Guide Abstracts

RELOADS COMPLETED

***File 5, BIOSIS Previews - archival data added

***Files 340, 341 & 942, CLAIMS/U.S. Patents - 2006 reload now online

NEWS

Chemical Structure Searching now available in Prous Science Drug Data Report (F452), Prous Science Drugs of the Future (F453), IMS R&D Focus (F445/955), Pharmaprojects (F128/928), Beilstein Facts (F390), Derwent Chemistry Resource (F355) and Index Chemicus (File 302).

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* * *

File 1:ERIC 1965-2007/Sep
(c) format only 2007 Dialog

Set Items Description

--- -----

Cost is in DialUnits
?

B 155, 159, 5, 73

15nov07 14:19:31 User259876 Session D1050.1

\$0.99 0.283 DialUnits File1

\$0.99 Estimated cost File1

\$0.06 INTERNET

\$1.05 Estimated cost this search

\$1.05 Estimated total session cost 0.283 DialUnits

SYSTEM:OS - DIALOG OneSearch

File 155:MEDLINE(R) 1950-2007/Nov 13

(c) format only 2007 Dialog

*File 155: Please see HELP NEWS 154 for coming changes
to updating.

File 159:Cancerlit 1975-2002/Oct

(c) format only 2002 Dialog

*File 159: Cancerlit is no longer updating.
Please see HELP NEWS159.

File 5:BIOSIS Previews(R) 1926-2007/Nov W2

(c) 2007 The Thomson Corporation

File 73:EMBASE 1974-2007/Nov 12

(c) 2007 Elsevier B.V.

*File 73: Embase will be reloaded soon. Accession numbers will change.

Set	Items	Description
---	-----	-----
?		
S (PKA) OR (PROTEIN (W) KINASE (W) A)		
Processing		
Processing		
Processing		
Processing		
	42060	PKA
	5500766	PROTEIN
	926435	KINASE
	29717674	A
	38087	PROTEIN(W) KINASE(W) A
S1	63490	(PKA) OR (PROTEIN (W) KINASE (W) A)
?		
S S1 (S) (ANGIOGENESIS OR ANGIOGENIC OR APOPTOSIS OR APOPTOTIC)		
	63490	S1
	119677	ANGIOGENESIS
	45914	ANGIOGENIC
	462885	APOPTOSIS
	173301	APOPTOTIC
S2	2062	S1 (S) (ANGIOGENESIS OR ANGIOGENIC OR APOPTOSIS OR APOPTOTIC)
?		
S S2 AND (VECTOR OR (GENE (W) THERAPY))		
Processing		
	2062	S2
	362421	VECTOR
	3328045	GENE
	6917547	THERAPY
	110275	GENE(W) THERAPY
S3	53	S2 AND (VECTOR OR (GENE (W) THERAPY))
?		
RD		
S4	34	RD (unique items)
?		
S S4 NOT PY>2002		
	34	S4
	8457678	PY>2002
S5	15	S4 NOT PY>2002
?		
S S5 AND (CANCER OR TUMOR)		
	15	S5
	3019338	CANCER
	3001509	TUMOR
S6	8	S5 AND (CANCER OR TUMOR)
?		
S S6 AND (ENDOTHELIAL (W) CELLS)		
Processing		

8 S6
467577 ENDOTHELIAL
6415294 CELLS
237534 ENDOTHELIAL(W) CELLS
S7 1 S6 AND (ENDOTHELIAL (W) CELLS)

?

T S7/3,K/ALL

7/3,K/1 (Item 1 from file: 155)
DIALOG(R) File 155:MEDLINE(R)
(c) format only 2007 Dialog. All rts. reserv.

13793223 PMID: 12061140

[Function and regulation of production of hepatocyte growth factor (HGF)]

Gohda Eiichi

Department of Immunochemistry, Faculty of Pharmaceutical Sciences,
Okayama University, Tsushima-naka, Okayama 700-8530, Japan.
gohda@pheasant.pharm.okayama-u.ac.jp

Nippon yakurigaku zasshi. Folia pharmacologica Japonica (Japan) May
2002, 119 (5) p287-94, 309, ISSN 0015-5691--Print Journal Code:
0420550

Publishing Model Print

Document type: English Abstract; Journal Article; Review

Languages: JAPANESE

Main Citation Owner: NLM

Record type: MEDLINE; Completed

... concentrations as low as 10 pM. It also stimulates the growth of
various epithelial cells, endothelial cells, and some kinds of
mesenchymal cells. HGF inhibits the proliferation of several tumor cell
lines and induces apoptosis of some of them. It also has motogenic,
morphogenic, anti-apoptotic, angiogenic, and immunoregulatory
activities. The receptor of HGF is the product of c-met proto-oncogene...

... antibody. HGF production in cultured cells is induced by PKC-activating
agents, cAMP-elevating agents, PKA-activating agents, growth factors, and
inflammatory cytokines; and it is inhibited by TGF-beta, glucocorticoids...

; Animals; Arteriosclerosis Obliterans--therapy--TH; Biological Markers
--analysis--AN; Enzyme-Linked Immunosorbent Assay; Gene Therapy;
Hepatocyte Growth Factor--biosynthesis--BI; Hepatocyte Growth Factor
--physiology--PH; Hepatocyte Growth Factor--therapeutic use...

?

Set	Items	Description
S1	63490	(PKA) OR (PROTEIN (W) KINASE (W) A)
S2	2062	S1 (S) (ANGIOGENESIS OR ANGIOGENIC OR APOPTOSIS OR APOPTOT- IC)
S3	53	S2 AND (VECTOR OR (GENE (W) THERAPY))
S4	34	RD (unique items)
S5	15	S4 NOT PY>2002
S6	8	S5 AND (CANCER OR TUMOR)
S7	1	S6 AND (ENDOTHELIAL (W) CELLS)

?

T S5/3,K/ALL

5/3,K/1 (Item 1 from file: 155)
DIALOG(R) File 155:MEDLINE(R)
(c) format only 2007 Dialog. All rts. reserv.

13793223 PMID: 12061140

[Function and regulation of production of hepatocyte growth factor (HGF)]

Gohda Eiichi

Department of Immunochemistry, Faculty of Pharmaceutical Sciences,
Okayama University, Tsushima-naka, Okayama 700-8530, Japan.
gohda@pheasant.pharm.okayama-u.ac.jp

Nippon yakurigaku zasshi. Folia pharmacologica Japonica (Japan) May
2002, 119 (5) p287-94, 309, ISSN 0015-5691--Print Journal Code:
0420550

Publishing Model Print

Document type: English Abstract; Journal Article; Review

Languages: JAPANESE

Main Citation Owner: NLM

Record type: MEDLINE; Completed

... kinds of mesenchymal cells. HGF inhibits the proliferation of several tumor cell lines and induces apoptosis of some of them. It also has mitogenic, morphogenic, anti-apoptotic, angiogenic, and immunoregulatory activities. The receptor of HGF is the product of c-met proto-oncogene...

... antibody. HGF production in cultured cells is induced by PKC-activating agents, cAMP-elevating agents, PKA-activating agents, growth factors, and inflammatory cytokines; and it is inhibited by TGF-beta, glucocorticoids...

; Animals; Arteriosclerosis Obliterans--therapy--TH; Biological Markers
--analysis--AN; Enzyme-Linked Immunosorbent Assay; Gene Therapy;
Hepatocyte Growth Factor--biosynthesis--BI; Hepatocyte Growth Factor
--physiology--PH; Hepatocyte Growth Factor--therapeutic use...

5/3,K/2 (Item 2 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

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13518091 PMID: 11753685

Nuclear translocation of the catalytic subunit of protein kinase A induced by an antisense oligonucleotide directed against the RIalpha regulatory subunit.

Neary C L; Cho-Chung Y S

Cellular Biochemistry Section, Basic Research Laboratories, The Center for Cancer Research, National Cancer Institute, National Institutes of Health, Bethesda, Maryland, MD 20892-1750, USA.

Oncogene (England) Nov 29 2001, 20 (55) p8019-24, ISSN 0950-9232--
Print Journal Code: 8711562

Contract/Grant No.: N02-BC-76212; BC; NCI

Publishing Model Print

Document type: Journal Article; Research Support, U.S. Gov't, P.H.S.

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

The regulatory (R) subunits of cAMP-dependent protein kinase (PKA) are implicated in the regulation of cell proliferation and differentiation. There are two isoforms of PKA that are distinguished by two types of R subunit, RI and RII. Evidence suggests that...

... treatment with an antisense oligonucleotide (ODN) induces differentiation in leukemia cells and growth arrest and apoptosis in epithelial cancer cells. Using the prostate cancer cell line PC3M as a model system, we have developed a cell line that overexpresses a retroviral vector construct containing the RIalpha antisense gene. This cell line

has been characterized and the effectiveness...

...by immunocytochemistry that treatment with RIalpha antisense ODN induces translocation of the Calpha subunit of PKA to the nucleus of PC3M prostate cancer cells. The translocation of Calpha triggered by exogenous ...

... cells endogenously overexpressing the antisense gene. Triggering the nuclear translocation of the Calpha subunit of PKA in the cell may be an important mechanism of action of RIalpha antisense that regulates...

... of adenylate cyclase and cellular cAMP levels. The nuclear localization of the Calpha subunit of PKA may be an essential step in revealing the mechanism whereby this critical kinase regulates cell...

5/3,K/3 (Item 3 from file: 155)

DIALOG(R) File 155:MEDLINE(R)

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12787878 PMID: 10898536

Cisplatin resistance and oncogenes--a review.

Dempke W; Voigt W; Grothey A; Hill B T; Schmoll H J

Department of Internal Medicine, Martin-Luther-University, Halle/Saale, Germany. wolfram.dempke@medizin.uni-halle.de

Anti-cancer drugs (ENGLAND) Apr 2000, 11 (4) p225-36, ISSN 0959-4973--Print Journal Code: 9100823

Publishing Model Print

Document type: Journal Article; Review

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

... play a major role in cisplatin resistance. In addition, AP-2 transcription factors, modulated by protein kinase A, are also implicated in cisplatin resistance by regulating genes encoding for DNA polymerase beta and...

... role in the development of cisplatin resistance since several genes implicated in drug resistance and apoptosis (e.g. mismatch repair, bcl-2, high mobility group proteins, DNA polymerases alpha and beta...

...; PH; Cell Cycle--physiology--PH; Cyclins--physiology--PH; DNA Adducts --drug effects--DE; DNA Repair; Gene Therapy ; Humans

5/3,K/4 (Item 4 from file: 155)

DIALOG(R) File 155:MEDLINE(R)

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12453300 PMID: 10395071

Ala99ser mutation in RI alpha regulatory subunit of protein kinase A causes reduced kinase activation by cAMP and arrest of hormone-dependent breast cancer cell growth.

Lee G R; Kim S N; Noguchi K; Park S D; Hong S H; Cho-Chung Y S

Cellular Biochemistry Section, Laboratory of Tumor Immunology and Biology, National Cancer Institute, Bethesda, MD 20892-1750, USA.

Molecular and cellular biochemistry (NETHERLANDS) May 1999, 195 (1-2) p77-86, ISSN 0300-8177--Print Journal Code: 0364456

Publishing Model Print

Document type: Journal Article; Research Support, Non-U.S. Gov't

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

... analysis of RIalpha. MCF-7 hormone-dependent breast cancer cells were transfected with an expression vector for the wild-type RIalpha or mutant RIalpha-p. Overexpression of RIalpha-P resulted in...

...of cell growth showing an increase in G0/G1 phase of the cell cycle and apoptosis. The wild-type RIalpha overexpression had no effect on protein kinase A isozyme distribution or cell growth. Overexpression of protein kinase A type II regulatory subunit, RIIBeta, suppressed RIalpha and protein kinase A type I and inhibited cell growth. These results show that the growth of hormone-dependent breast cancer cells is dependent on the functional protein kinase A type I.

5/3,K/5 (Item 1 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

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17049802 BIOSIS NO.: 200300008521

Regulation of angiogenesis by glycogen synthase kinase-3beta.

AUTHOR: Kim Hyo-Soo; Skurk Carsten; Thomas Shane R; Bialik Ann; Suhara Toshimitsu; Kureishi Yasuko; Birnbaum Morris; Keaney John F; Walsh Kenneth (Reprint)

AUTHOR ADDRESS: Whitaker Cardiovascular Institute, Boston University School of Medicine, 715 Albany Street, W611, Boston, MA, 02118, USA**USA

AUTHOR E-MAIL ADDRESS: kxwalsh@bu.edu

JOURNAL: Journal of Biological Chemistry 277 (44): p41888-41896 November 1, 2002 2002

MEDIUM: print

ISSN: 0021-9258

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

...ABSTRACT: A-dependent signaling pathways. The transduction of a nonphosphorylatable constitutively active mutant of GSKbeta promoted apoptosis under the conditions of prolonged serum deprivation or the disruption of cell-matrix attachments. Conversely...
...inhibited the migration of EC to vascular endothelial growth factor or basic fibroblast growth factor. Angiogenesis was inhibited by GSK3beta activation in an in vivo Matrigel plug assay, whereas the inhibition...

DESCRIPTORS:

...ORGANISMS: gene vector ;

5/3,K/6 (Item 2 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

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16775279 BIOSIS NO.: 200200368790

Mutation of VACM-1, a cul 5 gene, induces cellular growth and converts endothelial cells to the angiogenic phenotype

AUTHOR: Van Dort Christa J (Reprint); Schultz Sarah E (Reprint); Burnatowska-Hledin Maria (Reprint)

AUTHOR ADDRESS: Departments of Biology and Chemistry, Hope College, 35 E. 12th St., Holland, MI, 49423, USA**USA

JOURNAL: FASEB Journal 16 (4): pA526 March 20, 2002 2002

MEDIUM: print

CONFERENCE/MEETING: Annual Meeting of the Professional Research Scientists
on Experimental Biology New Orleans, Louisiana, USA April 20-24, 2002;
20020420

ISSN: 0892-6638

DOCUMENT TYPE: Meeting; Meeting Abstract

RECORD TYPE: Abstract

LANGUAGE: English

...ABSTRACT: forskolin induced cAMP production. This inhibitory effect of
VACM-1 is reversed by mutating the PKA -dependent phosphorylation site
in the VACM-1 sequence (S730AVACM-1) (AJP 279:C266-C273, 2000...
...rat endothelial cells, expressing endogenous VACM-1, stable transfection
with S730AVACM-1 but not the vector alone converted endothelial cells
to an angiogenic phenotype and altered cytoskeletal actin
polymerization. These data suggest that VACM-1 is able to regulate
cellular growth, and in endothelial cells regulates angiogenesis .

5/3,K/7 (Item 3 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

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16670211 BIOSIS NO.: 200200263722

betal-adrenergic receptor induced cardiac apoptosis is mediated by
Ca2+/calmodulin-dependent kinase II rather than PKA

AUTHOR: Zhu Weizhong (Reprint); Hagemann Dirk (Reprint); Chakir Khalid
(Reprint); Xiao Rui-Ping (Reprint)

AUTHOR ADDRESS: NIA, NIH, Baltimore, MD, USA**USA

JOURNAL: Circulation 104 (17 Supplement): pII.143 October 23, 2001 2001

MEDIUM: print

CONFERENCE/MEETING: Scientific Sessions 2001 of the American Heart
Association Anaheim, California, USA November 11-14, 2001; 20011111

SPONSOR: American Heart Association

ISSN: 0009-7322

DOCUMENT TYPE: Meeting; Meeting Abstract

RECORD TYPE: Citation

LANGUAGE: English

betal-adrenergic receptor induced cardiac apoptosis is mediated by
Ca2+/calmodulin-dependent kinase II rather than PKA

DESCRIPTORS:

...ORGANISMS: gene vector ;

5/3,K/8 (Item 4 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

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15848756 BIOSIS NO.: 200100020595

The glucagon-like peptide-2 receptor mediates direct inhibition of cellular
apoptosis via a cAMP-dependent protein kinase-independent pathway

AUTHOR: Yusta Bernardo; Boushey Robin P; Drucker Daniel J (Reprint)

AUTHOR ADDRESS: Toronto General Hospital, 101 College St., CCRW3-838,
Toronto, ON, M5G 2C4, Canada**Canada

JOURNAL: Journal of Biological Chemistry 275 (45): p35345-35352 November
10, 2000 2000

MEDIUM: print

ISSN: 0021-9258

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

...ABSTRACT: mucosa via regulation of crypt cell proliferation. Because GLP-2 decreases mortality and reduces intestinal apoptosis in rodents after experimental injury, we examined whether GLP-2R signaling directly modifies the cellular...

...to external injury. We show here that activation of GLP-2R signaling inhibits cycloheximide-induced apoptosis in baby hamster kidney fibroblasts expressing a transfected GLP-2 receptor. GLP-2 reduced DNA...

...decreased the cycloheximide-induced cleavage of caspase-3 in the presence or absence of the PKA inhibitor H-89. Similarly, GLP-2 increased cell survival following cycloheximide in the presence of...

...through G protein-coupled receptors of the glucagon superfamily is directly linked to regulation of apoptosis and suggest the existence of a cAMP-dependent protein kinase-, phosphatidylinositol 3-kinase-, and mitogen...

DESCRIPTORS:

...METHODS & EQUIPMENT: gene expression/ vector techniques, genetic method

5/3,K/9 (Item 5 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

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15390447 BIOSIS NO.: 200000108760

Essentiality of intron control in the induction of c-fos by glucose and glucocorticoid peptides in INS-1 beta-cells

AUTHOR: Susini Stefan; Van Haasteren Goedeke (Reprint); Li Senlin; Prentki Marc; Schlegel Werner

AUTHOR ADDRESS: Fondation pour Recherches Medicales, University of Geneva, 64 Avenue de la Roseaie, 1211, Geneva, Switzerland**Switzerland

JOURNAL: FASEB Journal 14 (1): p128-136 Jan., 2000 2000

MEDIUM: print

ISSN: 0892-6638

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

...ABSTRACT: 60% the transcriptional activation whereas mutating the serum response element had no effect. Inhibitors of protein kinase A and Ca²⁺/calmodulin-dependent protein kinases each reduced by 50% the reporter gene activation and...

DESCRIPTORS:

...METHODS & EQUIPMENT: gene expression/ vector techniques, genetic method

5/3,K/10 (Item 6 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

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15196161 BIOSIS NO.: 199900455821

Protein kinase A-Ialpha subunit-directed antisense inhibition of ovarian cancer cell growth: Crosstalk with tyrosine kinase signaling pathway

AUTHOR: Alper Ozge; Hacker Neville F; Cho-Chung Yoon S (Reprint)

AUTHOR ADDRESS: National Cancer Institute, Building 10, Room 5B05,
Bethesda, MD, 20892-1750, USA**USA
JOURNAL: Oncogene 18 (35): p4999-5004 Sept. 2, 1999 1999
MEDIUM: print
ISSN: 0950-9232
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

...ABSTRACT: cell growth. The growth inhibition was accompanied by changes in cell morphology and appearance of apoptotic nuclei. In addition, EGF receptor, c-erbB-2 and c-erbB-3 levels were reduced, and the basal and EGF-stimulated mitogen-activated protein kinase activities were reduced. Protein kinase A type I and EGF receptor levels were also reduced in cells overexpressing EGF receptor antisense...

DESCRIPTORS:

...ORGANISMS: antisense growth inhibition, human ovarian cancer cell line, in-vitro gene therapy model system

5/3,K/11 (Item 7 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2007 The Thomson Corporation. All rts. reserv.

15040167 BIOSIS NO.: 199900299827
Activation of the Bcl-2 promoter by nerve growth factor is mediated by the p42/p44 MAPK cascade
AUTHOR: Liu Yu-Zhen; Boxer Linda M; Latchman David S (Reprint)
AUTHOR ADDRESS: Department of Molecular Pathology, Windeyer Institute of Medical Sciences, University College London, Cleveland Street, Windeyer Building, London, W1P 6DB, UK**UK
JOURNAL: Nucleic Acids Research 27 (10): p2086-2090 May 15, 1999 1999
MEDIUM: print
ISSN: 0305-1048
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

...ABSTRACT: and p42/p44 MAPK enzymes but is independent of other NGF-activated signalling pathways involving protein kinase A or protein kinase C.

DESCRIPTORS:

...METHODS & EQUIPMENT: gene expression/ vector techniques, genetic expression method

5/3,K/12 (Item 8 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2007 The Thomson Corporation. All rts. reserv.

14574114 BIOSIS NO.: 199800368361
Antisense depletion of R1alpha subunit of protein kinase A induces apoptosis and growth arrest in human breast cancer cells
AUTHOR: Srivastava Rakesh K; Srivastava Aparna R; Park Yun Gyu; Agrawal Sudhir; Cho-Chung Yoon S (Reprint)
AUTHOR ADDRESS: Natl. Cancer Inst., Build. 10, Room 5B05, Bethesda, MD 20892, USA**USA
JOURNAL: Breast Cancer Research and Treatment 49 (2): p97-107 May, 1998 1998
MEDIUM: print

ISSN: 0167-6806
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

Antisense depletion of RIalpha subunit of protein kinase A induces apoptosis and growth arrest in human breast cancer cells

...ABSTRACT: The enhanced expression of the RIalpha subunit of cyclic AMP-dependent protein kinase type I (PKA -I) has been correlated with cancer cell growth. In the present study, the effects of an antisense oligodeoxynucleotide targeted against RIalpha subunit of PKA -1 on growth inhibition and apoptosis in MDA-MB-231 human breast cancer cells were investigated. The growth inhibitory effects of...

...cycle phase distribution, cell morphology, cleavage of poly (ADP-ribose) polymerase (PARP), and appearance of apoptotic nuclei. By comparison, mismatched control oligodeoxynucleotide had no effect. On the basis of these results...

...suggested that the RIalpha antisense oligodeoxynucleotide, which efficiently depletes the growth stimulatory RIalpha and induces apoptosis /differentiation, could be used as a therapeutic agent for breast cancer treatment.

DESCRIPTORS:

METHODS & EQUIPMENT: gene therapy --

5/3,K/13 (Item 9 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2007 The Thomson Corporation. All rts. reserv.

12941865 BIOSIS NO.: 199598409698

Overexpression of wild-type p53 overrides the mitogenic effect of RI-alpha subunit of protein kinase A in human breast cells

AUTHOR: Damiano Vincenzo; Ciardiello Fortunato; Bianco Caterina; Baldassarre Gustavo; Di Isernia Giuditta; Pepe Stefano; Ruggiero Angela; Merlo Giorgio; Bianco A Raffaele; Tortora Giampaolo (Reprint)

AUTHOR ADDRESS: Cattedra Oncol. Med., Fac. Med. Chirurgia, Univ. Studi Napoli Federico II, Via S. Pansini 5, 80131 Napoli, Italy**Italy

JOURNAL: International Journal of Oncology 7 (2): p331-336 1995 1995

ISSN: 1019-6439

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

...ABSTRACT: gt S transition and cell proliferation of non-transformed human breast MCF-10A cells. Retroviral vector -mediated overexpression of RI-alpha in these cells (MCF-10A RI-alpha) confers the ability...

...and RI-alpha on cell cycle progression and cell proliferation of MCF-10A cells. Retroviral vector -mediated overexpression of wild-type p53 in the MCF-10A neo and MCF-10A RI...

...induced G0/G1 accumulation, cell growth arrest and changes in cell morphology not due to apoptosis in both MCF-10A-p53 and MCF-10A RI-alpha-p53 cells. On the other...

5/3,K/14 (Item 1 from file: 73)
DIALOG(R)File 73:EMBASE

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07712409 EMBASE No: 1999196949

Alasup 9sup 9ser mutation in RI(alpha) regulatory subunit of protein kinase A causes reduced kinase activation by cAMP and arrest of hormone-dependent breast cancer cell growth

Lee G.R.; Kim S.N.; Noguchi K.; Park S.D.; Hong S.H.; Cho-Chung Y.S.

Y.S. Cho-Chung, National Cancer Institute, Building 10, Room 5B05,

Bethesda, MD 20892-1750 United States

Molecular and Cellular Biochemistry (MOL. CELL. BIOCHEM.) (Netherlands)

1999, 195/1-2 (77-86)

CODEN: MCBIB ISSN: 0300-8177

DOCUMENT TYPE: Journal; Article

LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

NUMBER OF REFERENCES: 33

Expression of the RI(alpha) regulatory subunit of protein kinase A type I is increased in human cancer cell lines, in primary tumors, in cells after...

...of RI(alpha). MCF-7 hormone-dependent breast cancer cells were transfected with an expression vector for the wild-type RI(alpha) or mutant RI(alpha)-p. Overexpression of RI(alpha)-P resulted in suppression of protein kinase A type II, the isozyme of type I kinase, production of kinase exhibiting reduced cAMP activation...

...growth showing an increase in Ginf 0/Ginf 1 phase of the cell cycle and apoptosis. The wild-type RI overexpression had no effect on protein kinase A isozyme distribution or cell growth. Overexpression of protein kinase A type II regulatory subunit, RII(beta), suppressed RI(alpha) and protein kinase A type I and inhibited cell growth. These results show that the growth of hormone-dependent breast cancer cells is dependent on the functional protein kinase A type I.

MEDICAL DESCRIPTORS:

enzyme activation; cell growth; structure activity relation; cell strain mcf 7; expression vector; genetic transfection; cell cycle g0 phase; cell cycle g1 phase; apoptosis; enzyme localization; human; controlled...

5/3,K/15 (Item 2 from file: 73)

DIALOG(R)File 73:EMBASE

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07258525 EMBASE No: 1998152901

Activation of bcl-2 suppressible 40 and 44 kDa p38-like kinases during apoptosis of early and late B lymphocytic cell lines

Maucher C.; Weissinger E.M.; Kremmer E.; Baccarini M.; Procyk K.;

Henderson D.W.; Wolff L.; Kolch W.; Kaspers B.; Mischak H.; Mushinski J.F.

J.F. Mushinski, Laboratory of Genetics, National Cancer Institute,

National Institutes of Health, 37 Convent Drive, Bethesda, MD 20892

United States

AUTHOR EMAIL: mushinsj@pop.nci.nih.gov

FEBS Letters (FEBS LETT.) (Netherlands) 01 MAY 1998, 427/1 (29-35)

CODEN: FEBLA ISSN: 0014-5793

PUBLISHER ITEM IDENTIFIER: S0014579398003871

DOCUMENT TYPE: Journal; Article

LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

NUMBER OF REFERENCES: 27

Activation of several different kinases characterizes the induction of

apoptosis . Abelson virus transformed pre-B lymphocytes undergo apoptosis within 24 h of serum deprivation, PKA activation or gamma-irradiation, and the activity of two kinases of ca. 40 and 44 kDa is specifically induced during this apoptotic process. Bcl-2 expression prevents both apoptosis and the induction of these kinases. Immunologic and substrate similarities indicate that these kinases are...

...mature cells of the B lymphocytic lineage, plasmacytomas, also exhibit induction of these kinases when apoptosis is induced by withdrawal of serum or IL-6. Treatment of the pre-B cells with ICE protease inhibitors when apoptotic stimuli are delivered prevents induction of the kinase activity, and partially inhibits apoptosis . These findings indicate that the induction of these 40 and 43 kDa p38 related kinases is a common feature of apoptosis in mouse B lymphocytic cells and may represent a step downstream of ICE proteases in...

MEDICAL DESCRIPTORS:

enzyme activation; abelson murine leukemia oncovirus; oncogene c jun; enzyme analysis; expression vector ; human; human cell; article; priority journal

?

Set	Items	Description
S1	63490	(PKA) OR (PROTEIN (W) KINASE (W) A)
S2	2062	S1 (S) (ANGIOGENESIS OR ANGIOGENIC OR APOPTOSIS OR APOPTOTIC)
S3	53	S2 AND (VECTOR OR (GENE (W) THERAPY))
S4	34	RD (unique items)
S5	15	S4 NOT PY>2002
S6	8	S5 AND (CANCER OR TUMOR)
S7	1	S6 AND (ENDOTHELIAL (W) CELLS)

?

S S1 (S) (CATALYTIC)

63490	S1
244411	CATALYTIC

S8 6161 S1 (S) (CATALYTIC)

?

S S8 AND (VECTOR)

6161	S8
362421	VECTOR

S9 225 S8 AND (VECTOR)

?

S S9 AND (ANGIOGENESIS OR ANGIOGENIC OR APOPTOSIS OR APOPTOTIC)

225	S9
119677	ANGIOGENESIS
2	ANGIOGENIC
462885	APOPTOSIS
206	APOPTOTIC

S10 7 S9 AND (ANGIOGENESIS OR ANGIOGENIC OR APOPTOSIS OR APOPTOTIC)

?

RD

S11	3	RD (unique items)
-----	---	-------------------

?

T S11/3,K/ALL

11/3,K/1 (Item 1 from file: 155)

DIALOG(R) File 155:MEDLINE(R)

(c) format only 2007 Dialog. All rts. reserv.

15549494 PMID: 15849192

Human telomerase reverse transcriptase immortalizes bovine lens epithelial cells and suppresses differentiation through regulation of the ERK signaling pathway.

Wang Juan; Feng Hao; Huang Xiao-Qin; Xiang Hua; Mao Ying-Wei; Liu Jin-Ping; Yan Qin; Liu Wen-Bin; Liu Yan; Deng Mi; Gong Lili; Sun Shuming; Luo Chen; Liu Shao-Jun; Zhang Xuan-Jie; Liu Yun; Li David Wan-Cheng

College of Life Sciences, Hunan Normal University, Changsha, China.

Journal of biological chemistry (United States) Jun 17 2005, 280 (24)

p22776-87, ISSN 0021-9258--Print Journal Code: 2985121R

Contract/Grant No.: EY15765; EY; NEI

Publishing Model Print-Electronic

Document type: Journal Article; Research Support, N.I.H., Extramural; Research Support, Non-U.S. Gov't; Research Support, U.S. Gov't, P.H.S.

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

... and these cells are still extremely healthy in both morphology and growth. In contrast, the vector -transfected cells display growth crisis after 20 population doublings. These cells run into cellular senescence...
... telomere, hTERT prevents replicative senescence, and through regulation of MEK/ERK, protein kinase C, and protein kinase A and eventual suppression of the MEK/ERK signaling pathway, hTERT inhibits differentiation of BLECs. Our...

; Animals; Apoptosis ; Blotting, Southern; Blotting, Western; Cattle; Cell Aging; Cell Differentiation; Cell Line; Cell Proliferation; Cyclic AMP
...

11/3,K/2 (Item 2 from file: 155)

DIALOG(R) File 155:MEDLINE(R)

(c) format only 2007 Dialog. All rts. reserv.

13518091 PMID: 11753685

Nuclear translocation of the catalytic subunit of protein kinase A induced by an antisense oligonucleotide directed against the RIalpha regulatory subunit.

Neary C L; Cho-Chung Y S

Cellular Biochemistry Section, Basic Research Laboratories, The Center for Cancer Research, National Cancer Institute, National Institutes of Health, Bethesda, Maryland, MD 20892-1750, USA.

Oncogene (England) Nov 29 2001, 20 (55) p8019-24, ISSN 0950-9232--Print Journal Code: 8711562

Contract/Grant No.: N02-BC-76212; BC; NCI

Publishing Model Print

Document type: Journal Article; Research Support, U.S. Gov't, P.H.S.

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

... PC3M as a model system, we have developed a cell line that overexpresses a retroviral vector construct containing the RIalpha antisense gene. This cell line has been characterized and the effectiveness
...

11/3,K/3 (Item 3 from file: 155)
 DIALOG(R) File 155:MEDLINE(R)
 (c) format only 2007 Dialog. All rts. reserv.

10217178 PMID: 7960245

Differential effects of protein kinase A sub-units on Chinese-hamster-ovary cell cycle and proliferation.

Tortora G; Pepe S; Bianco C; Damiano V; Ruggiero A; Baldassarre G; Corbo C; Cho-Chung Y S; Bianco A R; Ciardiello F

Cattedra di Oncologia Medica, Facolta di Medicina e Chirurgia, Universita di Napoli Federico II, Italy.

International journal of cancer. Journal international du cancer (UNITED STATES) Dec 1 1994, 59 (5) p712-6, ISSN 0020-7136--Print

Journal Code: 0042124

Publishing Model Print

Document type: Journal Article; Research Support, Non-U.S. Gov't

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

... of several cancer cells. To directly address the question whether the 2 protein-kinase-A(PKA) isoforms play different roles in the control of proliferation and cell-cycle distribution, we introduced and over-expressed the different PKA sub-units in Chinese-hamster-ovary (CHO) cells via retroviral- vector -mediated gene transfer. Whereas CHO cells treated with RI alpha anti-sense oligodeoxynucleotides were growth...

... the G0/G1 phases of the cell cycle, infection of CHO cells with a retroviral vector in order to over-express RI alpha determined growth advantages in monolayer conditions and substantially...

... with retroviral vectors over-expressing either a RII beta sub-unit or a C alpha catalytic sub-unit of PKA exhibited growth arrest within a few days of culture and accumulated in the G2-M phase of the cell cycle. The results of our study demonstrate that the different PKA sub-units play different and specific roles in the control of cell growth and cell...

; Animals; Apoptosis ; Cricetinae; Cyclic AMP-Dependent Protein Kinases --genetics--GE; Cyclic AMP-Dependent Protein Kinases--physiology--PH...
 ?

Set	Items	Description
S1	63490	(PKA) OR (PROTEIN (W) KINASE (W) A)
S2	2062	S1 (S) (ANGIOGENESIS OR ANGIOGENIC OR APOPTOSIS OR APOPTOTIC)
S3	53	S2 AND (VECTOR OR (GENE (W) THERAPY))
S4	34	RD (unique items)
S5	15	S4 NOT PY>2002
S6	8	S5 AND (CANCER OR TUMOR)
S7	1	S6 AND (ENDOTHELIAL (W) CELLS)
S8	6161	S1 (S) (CATALYTIC)
S9	225	S8 AND (VECTOR)
S10	7	S9 AND (ANGIOGENESIS OR ANGIOGENIC OR APOPTOSIS OR APOPTOTIC)
S11	3	RD (unique items)
?		

COST

15nov07 14:31:02 User259876 Session D1050.2
\$10.40 3.059 DialUnits File155
\$1.76 8 Type(s) in Format 3
\$1.76 8 Types
\$12.16 Estimated cost File155
\$1.90 0.604 DialUnits File159
\$1.90 Estimated cost File159
\$21.46 3.576 DialUnits File5
\$20.70 9 Type(s) in Format 3
\$20.70 9 Types
\$42.16 Estimated cost File5
\$35.78 3.007 DialUnits File73
\$6.60 2 Type(s) in Format 3
\$6.60 2 Types
\$42.38 Estimated cost File73
OneSearch, 4 files, 10.246 DialUnits FileOS
\$3.20 INTERNET
\$101.80 Estimated cost this search
\$102.85 Estimated total session cost 10.529 DialUnits

?

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